650nm 2mW Index-Guided Red Laser Module

Model. 7342

ALPEC TEAM, INCORPORATED

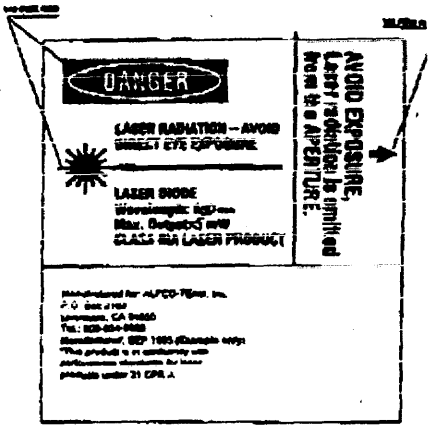
TECHNICAL DATA SHEET

						Date	Jan 4, 99
Customer				Order No.		Model No.	
Criticism Record	No.	1	2	3	4	Directory	
	Date					Filename	

FEATURES

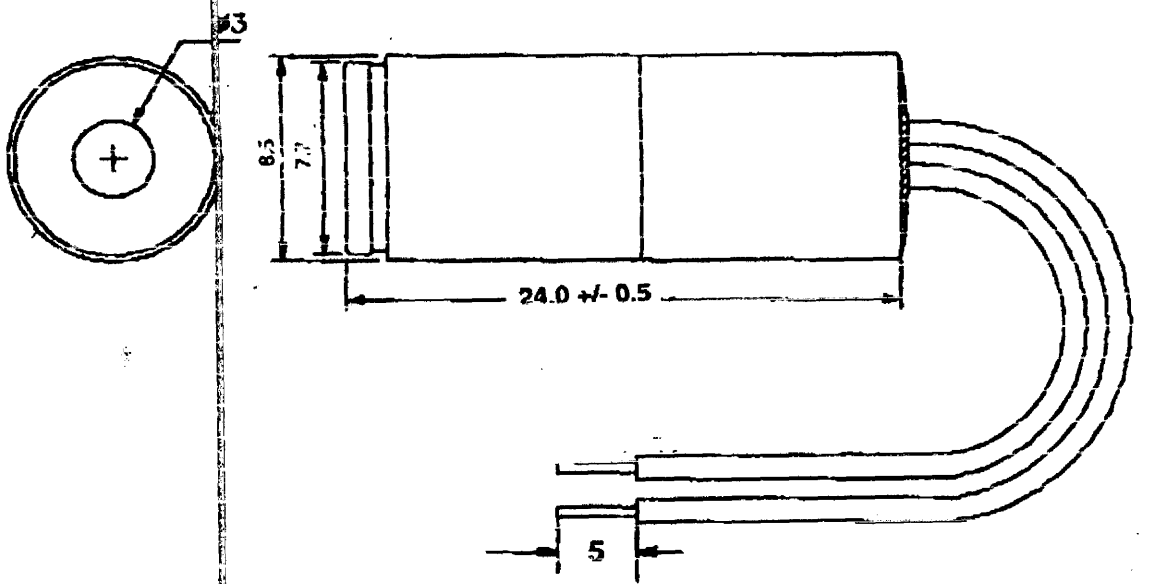
- Automatic output power control + Voltage regulator(APC+R)
- Input voltage range 3~5 5V DC
- Low cost
- Collimated laser beam
- TEM_{00} mode
- CW output
- Short circuit protection
- Reverse polarity protection

45 mm power wire



Outline Dimension

Unit: mm



CHARACTERISTICS

(T_c=25°C, T_c: Case temperature)

Charcctaristic	Symbol	7342 Min	7342 Typ	7342 Max	Unit
Wavelength	λ	640	650	660	nm
Optical output power	P_o	1.5	1.8	2	mW
Beam size (Oval)	ϕ	4x7	5x8	6x9	mm
Operating voltage	V_{op}	3	3.2	10	V
Operating current (P_o=5mW)	I_{op}	--	30	70	mA
Beam divergence (Vertical)	θ⊥	--	0.2	--	mrad
Beam divergence (Horizon)	θ∥	--	0.4	--	mrad
Operating temperature	T_{opr}	-10	25	40	°C
Storage temperature	T_{stg}	-40	25	85	°C

Note : ... wire in red(V+) & black(V-) at the end of module.